

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B10/17 H04B10/213

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B H01S H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SALEHEEN H I: "Closed cycle lasing of ASE noise in a WDM ring network" TECHNICAL DIGEST. CLEO/PACIFIC RIM 2001. 4TH PACIFIC RIM CONFERENCE ON LASERS AND ELECTRO-OPTICS, vol. 2, no. II, 15 July 2001 (2001-07-15), - 19 July 2001 (2001-07-19) pages 558-559, XP002279117 Chiba, Japan	1-7, 18
Y	the whole document ----- -/--	8-17, 19, 20

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

18 November 2004

Date of mailing of the international search report

25/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Vaquero, R

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 6 421 168 B1 (DUERKSEN GARY ET AL) 16 July 2002 (2002-07-16) column 4, line 4 - line 10 column 4, line 29 - column 6, line 32 column 7, line 8 - line 11 column 7, line 42 - line 63 column 9, line 1 - line 13 column 10, line 1 - line 19 figures 3A-7	8-11, 19 1-7, 18
Y	EP 1 030 415 A (NIPPON ELECTRIC CO) 23 August 2000 (2000-08-23) paragraph '0017! - paragraph '0019! paragraph '0031! - paragraph '0032! paragraph '0036! figures 3,6	12-17, 20
A	XU L ET AL: "SUPPRESSION OF BEATING NOISE OF NARROW-LINEWIDTH ERBIUM-DOPED FIBER RING LASERS BY USE OF A SEMICONDUCTOR OPTICAL AMPLIFIER" OPTICS LETTERS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 28, no. 10, 15 May 2003 (2003-05-15), pages 780-782, XP001166553 ISSN: 0146-9592	8-11
A	the whole document	11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/052127

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6421168	B1	16-07-2002	US 6388802 B1	14-05-2002
EP 1030415	A	23-08-2000	JP 2000236127 A	29-08-2000
			EP 1030415 A2	23-08-2000